CFP2000 Result

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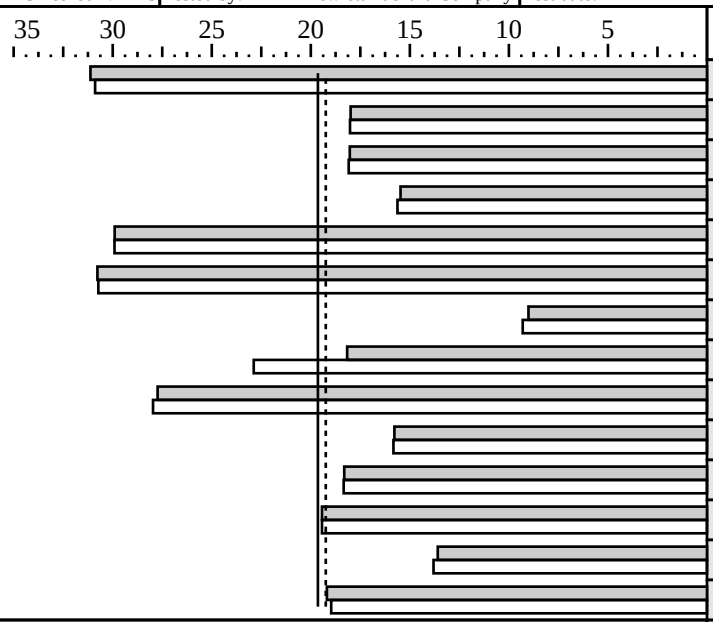
Hewlett-Packard Company

ProLiant BL20p G2(3.2GHz/1MB L3 cache, Intel Xeon)

SPECfp_rate2000 = 19.6

SPECfp_rate_base2000 = 19.2

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Oct-2003 | Hardware Avail: Dec-2003 | Software Avail: Sep-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	119	31.1	2	120	30.9
171.swim	2	400	18.0	2	399	18.0
172.mgrid	2	232	18.0	2	231	18.1
173.applu	2	315	15.5	2	312	15.6
177.mesa	2	109	29.9	2	109	29.9
178.galgel	2	219	30.8	2	219	30.7
179.art	2	669	9.01	2	648	9.30
183.equake	2	166	18.2	2	132	22.9
187.facerec	2	159	27.7	2	158	28.0
188.ammp	2	323	15.8	2	322	15.8
189.lucas	2	253	18.3	2	253	18.3
191.fma3d	2	251	19.4	2	251	19.4
200.sixtrack	2	188	13.6	2	185	13.8
301.apsi	2	314	19.2	2	318	19.0

Hardware

CPU:	Intel Xeon (3.2GHz, 533MHz bus)
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (Hyper-Threading disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	1024KB(I+D) on chip
Other Cache:	N/A
Memory:	4x512MB PC2100
Disk Subsystem:	2x36.4GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows 2000 Server(Build 2195 SP3)
Compiler:	Intel C++ Compiler 7.1 Build 20030813Z Intel Fortran Compiler 7.1 build 20030813Z Microsoft Visual Studio .NET 7.0.9466 (for libraries) MicroQuill Smartheap Library 7.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning: -QxW -Qipo -O3 +FDO ONESTEP=yes
Portability:
178.galgel: -FI /F32000000
Peak tuning:
168.wupwise:    -Qipo -QxW  +FDO ONESTEP=yes
171.swim:       -Qipo -QxW  -O3 +FDO ONESTEP=yes
172.mgrid:      -Qipo -QaxW -O3 +FDO ONESTEP=yes
173.applu:      -Qipo -QxW  -O3 -Qscalar_rep- -Qauto +FDO ONESTEP=yes
177.mesa:       -Qipo -QxW  -O3 +FDO ONESTEP=yes
178.galgel:     -Qipo -QxW  -O3 +FDO ONESTEP=yes
179.art:        -Qipo -Oa -Qunroll4 -Zp4 ONESTEP=yes
183.equake:     -Qipo -QxW  -Oa -Qrcd +FDO shlw32M.lib ONESTEP=yes
187.facerec:    -Qipo -QaxW  -O3 -Qunroll1 -Qscalar_rep- +FDO ONESTEP=yes
188.ammp:       -QxW  -Oa ONESTEP=yes
189.lucas:      -Qipo -QaxW
191.fma3d:      basepeak=1
```

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Notes/Tuning Information (Continued)

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200.sixtrack:   -Qipo -QxW  +FDO ONESTEP=yes
301.apsi:       -Qipo -QxW  -O3 +FDO ONESTEP=yes
BIOS Configuration Notes
  Hyper Threading disabled in BIOS
```